

PCT

H5

## RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/806,080

DATE: 04/04/2001

TIME: 11:20:05

Input Set : A:\S0109991.app

Output Set: N:\CRF3\04042001\I806080.raw

W--> 1 ~~SEQUENZPROTOKOLL~~ → Delete from beginning of file.  
 3 <110> APPLICANT: Jomaa, Hassan  
 5 <120> TITLE OF INVENTION: Gene des 1-Desoxy-D-xylulose-Biosynthesewegs  
 7 <130> FILE REFERENCE: 15696  
 C--> 9 <140> CURRENT APPLICATION NUMBER: US/09/806,080  
 C--> 10 <141> CURRENT FILING DATE: 2001-03-22  
 12 <150> PRIOR APPLICATION NUMBER: DE19923567.8  
 13 <151> PRIOR FILING DATE: 1999-05-22  
 15 <150> PRIOR APPLICATION NUMBER: DE19843279.8  
 16 <151> PRIOR FILING DATE: 1998-09-22  
 18 <160> NUMBER OF SEQ ID NOS: 6  
 20 <170> SOFTWARE: PatentIn Ver. 2.1

Does Not Comply  
 Corrected Diskette Needed

See p. 4

## ERRORED SEQUENCES

597 <210> SEQ ID NO: 4  
 598 <211> LENGTH: 1205  
 599 <212> TYPE: PRT  
 600 <213> ORGANISM: Plasmodium falciparum  
 602 <400> SEQUENCE: 4  
 603 Met Ile Phe Asn Tyr Val Phe Phe Lys Asn Phe Val Pro Val Val Leu  
 604 1 5 10 15  
 606 Tyr Ile Leu Leu Ile Ile Tyr Ile Asn Leu Asn Gly Met Asn Asn Lys  
 607 20 25 30  
 609 Asn Gln Ile Lys Thr Glu Lys Ile Tyr Ile Lys Lys Leu Asn Arg Leu  
 610 35 40 45  
 612 Ser Arg Lys Asn Ser Leu Cys Ser Ser Lys Asn Lys Ile Ala Cys Leu  
 613 50 55 60  
 615 Phe Asp Ile Gly Asn Asp Asp Asn Arg Asn Thr Thr Tyr Gly Tyr Asn  
 616 65 70 75 80  
 618 Val Asn Val Lys Asn Asp Asp Ile Asn Ser Leu Leu Lys Asn Asn Tyr  
 619 85 90 95  
 621 Ser Asn Lys Leu Tyr Met Asp Lys Arg Lys Asn Ile Asn Asn Val Ile  
 622 100 105 110  
 624 Ser Thr Asn Lys Ile Ser Gly Ser Ile Ser Asn Ile Cys Ser Arg Asn  
 625 115 120 125  
 627 Gln Lys Glu Asn Glu Gln Lys Arg Asn Lys Gln Arg Cys Leu Thr Gln  
 628 130 135 140  
 630 Cys His Thr Tyr Asn Met Ser His Glu Gln Asp Lys Leu Ala Asn Asp  
 631 145 150 155 160  
 633 Asn Asn Arg Asn Asn Lys Lys Asn Phe Asn Leu Leu Phe Ile Asn Tyr  
 634 165 170 175  
 636 Phe Asn Leu Lys Arg Met Lys Asn Ser Leu Leu Asn Lys Asp Asn Phe  
 637 180 185 190  
 639 Phe Tyr Cys Lys Glu Lys Lys Leu Ser Phe Leu His Lys Ala Tyr Lys  
 640 195 200 205

## RAW SEQUENCE LISTING

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Input Set : A:\S0109991.app

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TOF050.030101

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642 Lys Lys Asn Cys Thr Phe Gln Asn Tyr Ser Leu Lys Arg Lys Ser Asn
643      210                215                220
645 Arg Asp Ser His Lys Leu Phe Ser Gly Glu Phe Asp Asp Tyr Thr Asn
646 225      230                235                240
648 Asn Asn Ala Leu Tyr Glu Ser Glu Lys Lys Glu Tyr Ile Thr Leu Asn
649      245                250                255
651 Asn Asn Asn Lys Asn Asn Asn Asn Lys Asn Asn Asp Asn Lys Asn Asn
652      260                265                270
654 Asp Asn Asn Asp Tyr Asn Asn Asn Asn Ser Cys Asn Asn Leu Gly Glu
655      275                280                285
657 Arg Ser Asn His Tyr Asp Asn Tyr Gly Gly Asp Asn Asn Asn Pro Cys
658      290                295                300
660 Asn Asn Asn Asn Asp Lys Tyr Asp Ile Gly Lys Tyr Phe Lys Gln Ile
661 305      310                315                320
663 Asn Thr Phe Ile Asn Ile Asp Glu Tyr Lys Thr Ile Tyr Gly Asp Glu
664      325                330                335
666 Ile Tyr Lys Glu Ile Tyr Glu Leu Tyr Val Glu Arg Asn Ile Pro Glu
667      340                345                350
669 Tyr Tyr Glu Arg Lys Tyr Phe Ser Glu Asp Ile Lys Lys Ser Val Leu
670      355                360                365
672 Phe Asp Ile Asp Lys Tyr Asn Asp Val Glu Phe Glu Lys Ala Ile Lys
673      370                375                380
675 Glu Glu Phe Ile Asn Asn Gly Val Tyr Ile Asn Asn Ile Asp Asn Thr
676 385      390                395                400
678 Tyr Tyr Lys Lys Glu Asn Ile Leu Ile Met Lys Lys Ile Leu His Tyr
679      405                410                415
681 Phe Pro Leu Leu Lys Leu Ile Asn Asn Pro Ser Asp Leu Lys Lys Leu
682      420                425                430
684 Lys Lys Gln Tyr Leu Pro Leu Leu Ala His Glu Leu Lys Ile Phe Leu
685      435                440                445
687 Phe Phe Ile Val Asn Ile Thr Gly Gly His Phe Ser Ser Val Leu Ser
688      450                455                460
690 Ser Leu Glu Ile Gln Leu Leu Leu Leu Tyr Ile Phe Asn Gln Pro Tyr
691 465      470                475                480
693 Asp Asn Val Ile Tyr Asp Ile Gly His Gln Ala Tyr Val His Lys Ile
694      485                490                495
696 Leu Thr Gly Arg Lys Leu Leu Phe Leu Ser Leu Arg Asn Lys Lys Gly
697      500                505                510
699 Ile Ser Gly Phe Leu Asn Ile Phe Glu Ser Ile Tyr Asp Lys Phe Gly
700      515                520                525
702 Ala Gly His Ser Ser Thr Ser Leu Ser Ala Ile Gln Gly Tyr Tyr Glu
703      530                535                540
705 Ala Glu Trp Gln Val Lys Asn Lys Glu Lys Tyr Gly Asn Gly Asp Ile
706 545      550                555                560
708 Glu Ile Ser Asp Asn Ala Asn Val Thr Asn Asn Glu Arg Ile Phe Gln
709      565                570                575
711 Lys Gly Ile His Asn Asp Asn Asn Ile Asn Asn Asn Ile Asn Asn Asn
712      580                585                590
714 Asn Tyr Ile Asn Pro Ser Asp Val Val Gly Arg Glu Asn Thr Asn Val

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715				595				600				605				
717	Pro	Asn	Val	Arg	Asn	Asp	Asn	His	Asn	Val	Asp	Lys	Val	His	Ile	Ala
718	610							615				620				
720	Ile	Ile	Gly	Asp	Gly	Gly	Leu	Thr	Gly	Gly	Met	Ala	Leu	Glu	Ala	Leu
721	625							630				635				
723	Asn	Tyr	Ile	Ser	Phe	Leu	Asn	Ser	Lys	Ile	Leu	Ile	Ile	Tyr	Asn	Asp
724												650				
726	Asn	Gly	Gln	Val	Ser	Leu	Pro	Thr	Asn	Ala	Val	Ser	Ile	Ser	Gly	Asn
727												665				
729	Arg	Pro	Ile	Gly	Ser	Ile	Ser	Asp	His	Leu	His	Tyr	Phe	Val	Ser	Asn
730												680				
732	Ile	Glu	Ala	Asn	Ala	Gly	Asp	Asn	Lys	Leu	Ser	Lys	Asn	Ala	Lys	Glu
733	690							695				700				
735	Asn	Asn	Ile	Phe	Glu	Asn	Leu	Asn	Tyr	Asp	Tyr	Ile	Gly	Val	Val	Asn
736	705							710				715				
738	Gly	Asn	Asn	Thr	Glu	Glu	Leu	Phe	Lys	Val	Leu	Asn	Asn	Ile	Lys	Glu
739												730				
741	Asn	Lys	Leu	Lys	Arg	Ala	Thr	Val	Leu	His	Val	Arg	Thr	Lys	Lys	Ser
742												745				
744	Asn	Asp	Phe	Ile	Asn	Ser	Lys	Ser	Pro	Ile	Ser	Ile	Leu	His	Ser	Ile
745												760				
747	Lys	Lys	Asn	Glu	Ile	Phe	Pro	Phe	Asp	Thr	Thr	Ile	Leu	Asn	Gly	Asn
748	770							775				780				
750	Ile	His	Lys	Glu	Asn	Lys	Ile	Glu	Glu	Glu	Lys	Asn	Val	Ser	Ser	Ser
751	785							790				795				
753	Thr	Lys	Tyr	Asp	Val	Asn	Asn	Lys	Asn	Asn	Lys	Asn	Asn	Asp	Asn	Ser
754												810				
756	Glu	Ile	Ile	Lys	Tyr	Glu	Asp	Met	Phe	Ser	Lys	Glu	Thr	Phe	Thr	Asp
757												825				
759	Ile	Tyr	Thr	Asn	Glu	Met	Leu	Lys	Tyr	Leu	Lys	Lys	Asp	Arg	Asn	Ile
760												845				
762	Ile	Phe	Leu	Ser	Pro	Ala	Met	Leu	Gly	Gly	Ser	Gly	Leu	Val	Lys	Ile
763	850							855				860				
765	Ser	Glu	Arg	Tyr	Pro	Asn	Asn	Val	Tyr	Asp	Val	Gly	Ile	Ala	Glu	Gln
766	865							870				875				
768	His	Ser	Val	Thr	Phe	Ala	Ala	Ala	Met	Ala	Met	Asn	Lys	Lys	Leu	Lys
769												890				
771	Ile	Gln	Leu	Cys	Ile	Tyr	Ser	Thr	Phe	Leu	Gln	Arg	Ala	Tyr	Asp	Gln
772												905				
774	Ile	Ile	His	Asp	Leu	Asn	Leu	Gln	Asn	Ile	Pro	Leu	Lys	Val	Ile	Ile
775												925				
777	Gly	Arg	Ser	Gly	Leu	Val	Gly	Glu	Asp	Gly	Ala	Thr	His	Gln	Gly	Ile
778	930							935				940				
780	Tyr	Asp	Leu	Ser	Tyr	Leu	Gly	Thr	Leu	Asn	Asn	Ala	Tyr	Ile	Ile	Ser
781	945							950				955				
783	Pro	Ser	Asn	Gln	Val	Asp	Leu	Lys	Arg	Ala	Leu	Arg	Phe	Ala	Tyr	Leu
784												970				
786	Asp	Lys	Asp	His	Ser	Val	Tyr	Ile	Arg	Ile	Pro	Arg	Met	Asn	Ile	Leu
787												990				

RAW SEQUENCE LISTING  
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Input Set : A:\S0109991.app  
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789 Ser Asp Lys Tyr Met Lys Gly Tyr Leu Asn Ile His Met Lys Asn Glu  
790 995 1000 1005  
792 Ser Lys Asn Ile Asp Val Asn Val Asp Ile Asn Asp Asp Val Asp Lys  
793 1010 1015 1020  
795 Tyr Ser Glu Glu Tyr Met Asp Asp Asp Asn Phe Ile Lys Ser Phe Ile  
E--> 796 025 1030 1035 1040  
798 Gly Lys Ser Arg Ile Ile Lys Met Asp Asn Glu Asn Asn Asn Thr Asn  
799 1045 1050 1055  
801 Glu His Tyr Ser Ser Arg Gly Asp Thr Gln Thr Lys Lys Lys Lys Val  
802 1060 1065 1070  
804 Cys Ile Phe Asn Met Gly Ser Met Leu Phe Asn Val Ile Asn Ala Ile  
805 1075 1080 1085  
807 Lys Glu Ile Glu Lys Glu Gln Tyr Ile Ser His Asn Tyr Ser Phe Ser  
808 1090 1095 1100  
810 Ile Val Asp Met Ile Phe Leu Asn Pro Leu Asp Lys Asn Met Ile Asp  
E--> 811 105 1110 1115 1120  
813 His Val Ile Lys Gln Asn Lys His Gln Tyr Leu Ile Thr Tyr Glu Asp  
814 1125 1130 1135  
816 Asn Thr Ile Gly Gly Phe Ser Thr His Phe Asn Asn Tyr Leu Ile Glu  
817 1140 1145 1150  
819 Asn Asn Tyr Ile Thr Lys His Asn Leu Tyr Val His Asn Ile Tyr Leu  
820 1155 1160 1165  
822 Ser Asn Glu Pro Ile Glu His Ala Ser Phe Lys Asp Gln Gln Glu Val  
823 1170 1175 1180  
825 Val Lys Met Asp Lys Cys Ser Leu Val Asn Arg Ile Lys Asn Tyr Leu  
E--> 826 185 1190 1195 1200  
828 Lys Asn Asn Pro Thr  
829 1205

*Invalid amino acid numbers.  
Move numbers circled one space  
to the right as shown below.*

*Tyr  
1 0 2 5*

*Ile  
1 1 0 5*

*Val  
1 1 8 5*

## VERIFICATION SUMMARY

PATENT APPLICATION: US/09/806,080

DATE: 04/04/2001

TIME: 11:20:07

Input Set : A:\S0109991.app

Output Set: N:\CRF3\04042001\I806080.raw

L:1 M:259 W: Allowed number of lines exceeded, (1) GENERAL INFORMATION:  
L:9 M:270 C: Current Application Number differs, Replaced Current Application Number  
L:10 M:271 C: Current Filing Date differs, Replaced Current Filing Date  
L:796 M:332 E: (32) Invalid/Missing Amino Acid Numbering, SEQ ID:4  
M:332, Repeated in SeqNo=4

T0T090" 08090860